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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/587,589	06/02/2000	Hidetoshi Ichioka	450100-02565	8966

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EXAMINER

LUU, SY D

ART UNIT	PAPER NUMBER
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2174

DATE MAILED: 04/23/2003

16

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/587,589

Applicant(s)

ICHIOKA, HIDETOSHI

Examiner

Sy D Luu

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 February 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

1. This communication is responsive to Amendment A, filed 2/11/03.
2. Claims 1-10 are pending in this application. Claims 1, 7 and 8 are independent claims. In the Amendment A, claims 1, 4, 5, 7 and 8 were amended, and claims 9-10 were added. This action is made Final.
3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 112

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
5. Claim 6 recites the limitation "the other picture" and "the one and other pictures" in line 2 and line 3 respectively. There are insufficient antecedent basis for these limitations in the claim.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002

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do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

7. Claims 1-4 and 7-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Rangan et al. ("Rangan", US 6,154,771).

As per claims 1-3, Rangan teaches a transmitting method comprising steps of: multiplexing a signal of a picture including a selectable object, with information relevant to the selectable object in the picture, with a visible symbol to which reference is made when selecting the selectable object, being presented in the picture correspondingly to the selectable object, wherein said selectable object is displayed at a position in the picture indicated in a predetermined address included in the relevant information of the selectable object, and transmitting the multiplexed picture signal, wherein the relevant information being displayed by selecting the selectable object referring to the symbol (col. 12, lines 14-22; col. 23, lines 18-19; and col. 25, line 57 et seq.; *the selectable object having displayable annotation / hotspot and its associated URL*);

wherein the relevant information includes an identification information for unique identification of the selectable object and/or data showing the content of the selectable object, and wherein the content is character data showing the content of the selectable object (col. 25, line 57-65; *the selectable object having displayable annotation / hotspot and its uniquely associated URL*).

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As per claim 4, Rangan teaches one or more channels carrying information relevant to the selectable object being used for the signal of the picture including the selectable object, and the information channels are selected by entering, by select keys of an input means, a symbol of a channel number with which reference is made to the channels (col. 25, lines 19-21; col. 9, lines 1-7).

Claims 7-8 are individually similar in scope to claim 1, and are therefore rejected under similar rationale.

Claim Rejections - 35 USC § 103

8. Claims 5-6 and 9-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rangan et al. ("Rangan", US 6,154,771).

As per claims 5-6, although Rangan teaches the relevant information multiplexed with the picture signal to include an address of the selectable object (col. 25, lines 64-65), Rangan fails to teach the address to indicate a starting point of a picture data zooming by which within a picture, another picture is gradually zoomed in, and the step of interrupting the zooming of the other picture to simultaneously display both the one and other pictures. However, the steps of zooming into an interested object as well as displaying two related pictures simultaneously on a screen are well known in the art. It would have been obvious to an artisan at the time of the invention to include these features with Rangan's method in order to further enhance the user's focus on the selected object with its associated relevant information during the interactive session.

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Claims 9-10 are individually similar in scope to claim 5, and are therefore rejected under similar rationale.

Response to Arguments

9. Applicant's arguments with respect to claims 1 and 5 have been fully considered but they are not persuasive.

Applicant argues that: (a) Rangan does not appear to disclose or suggest displaying a selectable object at a position in a picture indicated by a predetermined address; and (b) Rangan does not disclose/suggest using the address included in the relevant information of the selectable object to indicate the start point for zooming another picture within the picture.

The Examiner disagrees for the following reasons:

Per (a), by teaching the displaying of a selectable object (e.g. fig. 4, *the car object with its hotspot 73*) at a position in a picture indicated by a object/hotspot 73 having an associated Universal Resource Locator (col. 25, lines 57-65), wherein the object/hotspot 73 defines an activatable area or locations, which together with the URL, identify a predetermined address, it is clearly shown that the claim language is read-on by Rangan.

Per (b), as indicated by the Examiner that the zooming feature as used in similar art is well known, e.g. Jackson et al., ("Jackson" US. 5,990,941), teach a method for interactive display of various image data including motion picture and video in a multi-casting environment (col. 1, lines 46-54; col. 10, lines 12-17), wherein an object of interest could be selected and zoomed in (col. 4, lines 3-7; col. 10, lines 42-44); and it is inherent for any selectable object to include a unique identification or address to the system so that it could be differentiated from

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one to another. Therefore, the combining of the methods of Jackson and Rangan would have been obvious as indicated in the rejection of claim 5 above.

Conclusion

10. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Jain et al. (US 6,144,375)

Burke (US 6,304,855 B1)

Hirayama et al. (US 5,819,003)

Hubbell et al. (US 5,966,121)

Inquires

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sy Luu whose telephone number is (703) 305-0409. The

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examiner can normally be reached on Monday - Thursday from 7:00 am to 4:30 pm (EST). The examiner can also be reached on alternate Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine Kincaid, can be reached on (703) 308-0640.

The fax number for the organization where this application or proceeding is assigned are as follows:

(703) 746-7238 [After Final Communication]

(703) 746-7239 [Official Communication]

(703) 746-7240 [For status inquiries, Draft Communication]

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

A handwritten signature in black ink, appearing to read 'SY D. LUU', with a long horizontal flourish extending to the right.

SY D. LUU
PRIMARY EXAMINER